

## CLAIMS

I claim:

1. An orthodontic appliance for use in a mouth of a user comprising:
  - an acrylic support plate with a Nance button and an anterior bite plane, said acrylic support plate being comprised of an acrylic material constructed during installation of said acrylic support plate in the mouth;
  - a plurality of retaining wires extending from said acrylic support plate and being fixedly attached to said acrylic support plate during installation of said acrylic support plate;
  - a plurality of rigid wire rods in which each wire rod has a distal end in a ball stop shape and a mesial end embedded in said acrylic support plate;
  - a lock axially mounted on the mesial end of each wire rod;
  - a coil spring axially mounted on each wire rod, said lock being positioned between said acrylic support plate and said coil spring;
  - a tubular member having a wire extension and being axially mounted on each wire rod, said coil spring being positioned between said tubular member and said lock; and
  - a plurality of first molar bands removably attached respectively to each wire extension of said tubular member.
2. The appliance according to claim 1, wherein said acrylic support plate is mountable in the mouth of the user so as to receive dental support from upper front teeth and soft tissue and bony support from palatal gingiva and underlying bone of an upper jaw of the mouth of the user.

3. The appliance according to claim 2, wherein upper and lower posterior teeth of the user have a gap therebetween when said anterior bite plane of said acrylic support plate contacts anterior teeth of the user.

4. The appliance according to claim 2, wherein said dental support is comprised of eight upper front teeth of the user, palatal sides of six upper anterior teeth, and first premolars of the user, said first premolars being fixedly connected to said plurality of retaining wires.

5. The appliance according to claim 2, wherein said coil spring is compressed between said acrylic support plate and said tubular member by tightening said lock, said tubular member being movable in a distal direction by force of said coil spring, said force being aligned with centers of resistance of molars in the mouth of the user.

6. The appliance according to claim 1, wherein the tubular member is removably attached to said first molar bands on a palatal side of the mouth of the user, said tube member being comprised of stainless steel, said wire extension being located towards a gingival side of the mouth of the user; wherein said tubular member has a longitudinal axis oriented parallel to an occlusal surface of molars of the mouth of the user; and wherein said tubular member is freely slidably along each wire rod.

7. The appliance according to claim 1, wherein each wire rod is comprised of heavy stainless steel.

8. The appliance according to claim 1, wherein said coil spring is compressed between said acrylic support plate and said tubular member by tightening said lock, said tubular member being movable in a distal direction by force of said coil spring; and wherein said first molar bands are pushed back from said acrylic support plate.